[illegible], L.

Treatment of bladder tumors by the implantation of [illegible] gold grains. Cesk. radiol. 20 no.1:[illegible] Feb.

1. Urologicka oddeleni nemocnice Praha 8-Bulovka.

ONCOLOGY

CZECHOSLOVAKIA UDC 616-006.04-085.849(621.384)

HLASIVEC, Z.; Oncological Institute (Onkologicky Ustav), Prague 8, Director (Reditel) Dr F. VADURA.

"Present State and the Perspectives of Uses of High-Frequency Sources of Radiation for the Treatment of Malignant Tumors."

Prague, Casopis Lekaru Ceskych, Vol 105, No 34, 26 Aug 66, pp 905 - 915

Abstract: Czechoslovak medical institutions have at present 10 old cobalt bombs, 4 modern Czech cobalt bombs trade mark Chisotron, and 1 Canadian bomb suitable for movement therapy. There are also 2 Czech Cs bombs, and 1 betatron; this, however, produces only gamma radiation. A new Co radiation source and a betatron for irradiation with accelerated electrons will be received shortly from Czechoslovak production. Purchase of betatrons and irradiation sources producing accelerated electrons from foreign sources is recommended. Megavolt therapy, penetration of the radiation, absorption in the bones, heterogeneity of body tissues, irradiation dispersion, filters of radiation, and clinical experiences of the author are described. 16 Figures, 1 Table, 35 Western, 1 Czech reference. (Manuscript received Oct 65).

1/1

HLASNIK, I.

Methods of improving direct-current traction motors. p. 377. (STROJNOSELEKTRO-TECHNICKY CASOPIS, Vol. 7, No. 6, 1956, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

HLASNIK, I.

Contact resistance in liquid electric contactors used in electromagnetic pumps. p. 167.

ELEKTROTECHNICKY CASOPIS. (Slovenska akademia vied) Bratislava, Czechoslovakia, vol. 10, no. 3, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

HLASNIK, I.

"Reaction of the armature of an electromagnetic direct-current pump for liquid metals."

Elektrotechnicky Obzor. Praha, Czechoslovakia. Vol. 48, no. 3, Mar. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclas

Z/039/60/021/05/006/029
E140/E135

AUTHORS: Ivan Hlásnik (Engineer) and Jaroslav Schilder (Engineer, Candidate of Technical Sciences)

TITLE: Parametric Resonance and its Applications in Electrical Engineering

PERIODICAL: Slaboproudý Obzor, Vol 21, 1960, Nr 5, pp 278-283

ABSTRACT: The article reviews foreign literature on the subject. It deals with the principles of paramagnetic resonance, methods of detecting paramagnetic resonance and using it for measurement and stabilisation of magnetic fields, accurate d.c. measurement and accurate measurement of susceptibility values.
There are 12 figures and 9 references, of which 2 are Slovak, 3 English, 1 Soviet, 1 French and 1 German.

ASSOCIATION: Slovenska akademia vied, elektrotechnicke laboratorium (Slovak Academy of Sciences, Electrical Engineering Laboratory)

Card 1/1

SUBMITTED: September 14, 1959

26685
Z/042/61/000/007/001/001
E024/E135

9,4370

AUTHORS: Hlásnik, Ivan, and Měřínský, Karol

TITLE: Double- and triple-probe semiconductor elements for the simultaneous measurement of two or three components of magnetic induction

PERIODICAL: Elektrotechnický Časopis, No. 7, 1961, pp. 447-453

TEXT: In modern engineering practice it is often important to measure the vector of magnetic induction. The method of moving a probe-coil or a one-dimensional Hall-probe in the magnetic field is cumbersome and a new method is proposed by the authors. The new device differs from usual Hall-effect devices in that it can measure all three components of the vector of magnetic induction simultaneously. The double-probe, for the measurement of two components of magnetic induction, consists of a prism with square cross-section, while the triple-probe consists of an L-shaped sample of square cross-section. Two current-carrying ohmic contacts are soldered onto the square ends of the probe, which are copper-plated before soldering. The electrodes for the measurement of the Hall voltages are soldered onto the larger faces of the probes

Card 1/2

26685

Z/042/61/000/007/001/001
E024/E135

Double- and triple-probe .....

(Ref.3: K. Mařínský, I. Hlásnik, J. Schilder. Czechoslovak patent specification no. 94189 dated October 15, 1958). The Hall voltage measured between a pair of electrodes on opposite faces is $|R_h B_i I_n / b|$, where R_h is the Hall coefficient of the semiconducting material, B_i is the component of magnetic induction perpendicular to the plane formed by the direction of the current I_n and the line connecting the Hall electrodes, and b is the cross-section of the device. In practice, the probes were made from monocrystalline indium antimonide and from polycrystalline indium arsenide. The authors report measurements obtained with a double-probe consisting of a 2 x 2 x 6 mm slab of InSb. The magnitude of the vector of magnetic induction was obtained with an accuracy of ± 0.5% and the direction to within ± 0.5°.
Acknowledgments are expressed to Academician L. Cigáneh for his interest.
There are 6 figures and 6 references: 4 Czech and 2 German.
ASSOCIATION: Elektrotechnické laboratórium Slovenskej akadémie vied, Bratislava (Electrotechnical Laboratory of the Slovak AS, Bratislava)

Card 2/2

SUBMITTED: April 26, 1961

S/194/62/000/010/082/084
A055/A126

AUTHORS: Hlásnik, Ivan, Měřinský, Karol, Schilder, Jaroslav

TITLE: Hall probe for measuring simultaneously the three components of the magnetic induction vector

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 10, 1962, 138, abstract 10-7-275k P (Czech. pat., cl. 21e, v. 12, no. 99862, June 15, 1961)

TEXT: In the measurement of the three components of the magnetic induction vector, based on the Hall effect, it is proposed to give the Hall probe the form of two intersecting prisms whose axes form an angle θ, different from 0 or π. The feeding electrodes are soldered to the butts, which ensures the flow of the feeding current in the measuring arms in two directions forming the angle θ. Each of the Hall electrodes is soldered in one point to the measuring arms: to one of the arms are soldered two pairs, and to the other arm one pair of the Hall electrodes. Each pair of electrodes gives a Hall voltage proportional to the magnetic induction-vector component that is perpendicular to the plane determined by

Card 1/2

the straight line connecting the Hall electrodes, and the direction of the vector of the current density in the corresponding arm. The probe gives on the electrodes three components of the Hall voltage that are proportional to the magnetic induction-vector components in three directions perpendicular to the indicated planes. The magnetic induction vector is determined after the calibration of the probe. To compensate the interferences from the feeding-current field, it is desirable that, during the manufacture of the probe, the electrodes of the individual pairs should be positioned on equipotential lines of this field. To simplify the measurement, it is desirable to choose $\theta = 90^\circ$ and to solder the electrodes to the lateral walls of the rectangular prisms. The voltage proportional to the magnetic induction-vector components will then be obtained in the rectangular system of coordinates.

A.S.

[Abstracter's note: Complete translation]

SCHILDER, J., inz., CSc.; HLASNIK, I., inz., CSc.; MERINSKY, K., inz.

Device for oscillographic representation of magnetic induction vectors of plane magnetic fields. Automatizace 6 no.6:150 Je '63.

L 30169-66 EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP6020617 SOURCE CODE: CZ/0042/65/000/009/0559/0560

AUTHOR: Hlasnik, I.; Krempasky, L'.; Polak, M.

74
B

ORG: none

TITLE: Superconducting magnet of the Electrical Engineering Institute, Slovak Academy of Sciences

SOURCE: Elektrotechnicky casopis, no. 9, 1965, 559-560

TOPIC TAGS: magnet, annealing, magnetic field, superconducting alloy, superconductivity

ABSTRACT: The article describes a newly developed superconducting magnet, the SM-1, of 50% Nb and 50% Zn, annealed two hours at 525°C, for use in investigating the behavior of superconductors in a magnetic field. The method and results of measurements are given, as well as the magnetization characteristic of the magnet. The authors thank M. Bir for help in the development of the magnet and for preparing the measurements. [JPRS]

SUB CODE: 09, 20 / SUBM DATE: none

Card 1/1

HLASNIK, Ivan, inz. CSc.; POLAK, Milan, inz.

Temperature dependence of Hall generators and its compensation.
El tech cas 15 no. 6:345-357 '64.

1. Institute of Electrical Engineering, Slovak Academy of Sciences, Bratislava.

L 00534-66 EWT(1)/EWT(m)/T/EWP(t)/EWP(b)/EWA(c) JD
ACCESSION NR: AP5018641 UR/0185/65/010/007/0806/0808

AUTHOR: Hlauberman, A. Yu. (Glauberman, A. Yu.); Ruvins'kyy, M. A. (Ruvinskiy, M. A.)

TITLE: Nonradiative ionization of dislocations by Wannier-Mott excitons

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 10, no. 7, 1965, 806-808

TOPIC TAGS: exciton, dislocation, dipole ionization, recombination, optic transition, valence band, conduction band

ABSTRACT: The note presents the results of considering a simple model of a screw dislocation about whose axis ν_d electrons (or holes) are located per cm of length of the dislocation. The calculation is illustrated by the example of dipole ionization. Using the law of conservation of energy and the conservation of the z-component of the quasimomentum (the dislocation field along z is uniform), expressions are obtained for the probability of the dipole ionization of the dislocation per second by nonradiative energy transfer to the exciton by the dislocation electron. An expression is also obtained for the probability of the dipole ionization of a dislocation per second by exchange nonradiative recombination when the electron of the dislocation recombines with the exciton hole and the exciton electron ionizes the dislocation by means of the energy freed in the recombination. The

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L 00534-66

ACCESSION NR: AP5018641

first of these expressions turns out to be independent of the electron quasimomentum along the dissociation axis. The case of dislocations, unlike that of point defects, is characterized by anisotropy--the probability depends on the angle between the axis of the dislocation and the vector r_{01}, the value of the matrix element of the optical dipole transition between the valence and conduction bands at $k = 0$. A simple relationship is obtained for the ionization probabilities in the case of impurity centers and two limiting cases are considered. Orig. art. has: 7 formulas.

ASSOCIATION: L'vivs'kyy derzhuniversytet im. Franka [L'vovskiy gosudarstvennyy universitet im. Franko] (L'vov State University) 44,55

SUBMITTED: 02Feb65 ENCL: 00 SUB CODE: SS

NR REF SOV: 002 OTHER: 002

Card 2/2

L 4539-66 EWT(1)

ACCESSION NR: AP5020696 UR/0185/65/010/008/0925/0926

AUTHORS: Hlauberman, A. Yu.; Popel', O. M.

TITLE: A photoeffect with exciton participation

SOURCE: Ukrayinsk'kyy fizychnyy zhurnal, v. 10, no. 8, 1965, 925-926

TOPIC TAGS: exciton, internal photoeffect, photoionization, semiconductor band structure, forbidden band, light absorption

ABSTRACT: A method of elementary node excitations is used to include directly the effect of the interaction of various excitation branches and describe processes stimulated as a result of this interaction by an external electromagnetic field. Qualitative results are obtained by considering a two-band model of a semiconductor and a simple crystal in which all atoms in the normal state have two s electrons and the excited state is some nondegenerate p state. For a sufficiently wide forbidden band the method of node excitations is comparatively easy to apply. In the field of the light wave the excitation Hamiltonian can be described by a sum $H_0 + W(t)$, where $W(t)$,

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L 4539-66

ACCESSION NR: AP5020696

3

treated as a perturbation, contains all terms describing the interaction with light. If the interactions among the quasiparticles are neglected, one obtains four terms; two of these correspond to the exciton absorption of light and the ordinary internal photoeffect. The two other terms and their conjugates describe new processes; the photoionization of Frenkel excitons is one of these and leads to an approximate expression for the absorption coefficient. The inverse process, expressed in the Hamiltonian by the conjugate term, is discussed. It is stated that the second process in which two excitons participate can be considered similarly. Orig. art has: 7 formulas

ASSOCIATION: L'vivs'kyy derzhuniversytet im. I. Franka [L'vovskiy gosudarstvennyy universitet im. I. Franko] (L'vov State University)

SUBMITTED: 15May65 ENCL: 00 SUB CODE: OP, SS

NR REF SOV: 003 OTHER: 000

Card 2/2

L 35382-66

ACC NR: AP6026854 SOURCE CODE: CZ/0060/66/000/002/0092/0093

AUTHOR: Hlauco, Stanislav—Glaucho, S. (Major; Doctor of medicine)

ORG: Psychiatric Department, Military Hospital, SNP, Ruzomberok (Psychiatricke oddeleni Voj. nemocnice SNP)

TITLE: Unusual Imipramine indications

SOURCE: Vojenske zdravotnicke listy, no. 2, 1966, 92-93

TOPIC TAGS: army medicine, cancer drug, psychiatry, chemotherapy

ABSTRACT: The author discusses the application of Imipramine in treatment of cancer as suggested in 1963 by the French authors LAGARDE and CHAUVERGNE. Experience with this use of Imipramine in 2 patients is described. 75 - 150 mg per day was administered. The analgesic properties of Imipramine are discussed. [JPRS: 36,83]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 UDC: 615.789 [.547.636.]-035.1-039

CZECHOSLOVAKIA UDC 612.766.1:616-074

ZAORALEK, A.; KVETENSKY, J.; KLUST, V.; HLAUCO, S.; DOSTALOVA, M.; Laboratory Department (Laboratorni Oddeleni), Head (Vedouci) Dr. A. ZAORALEK; Internal Department (Vnitrni Oddeleni) Head (Vedouci) Dr J. KVETENSKY; Department of Medical Aspects of Sports (Sportovne Lekarske Oddeleni) Head (Vedouci) Dr V. KLUST; Psychiatric Department (Psychiatricke Oddeleni) Head (Vedouci) Dr S. HALUCO, Military Hospital (Vojenske Nemocnice) of the Slovak National Uprising (SNP), Ruzomberok.

"Some Hematological and Biochemical Symptoms Caused by Excessive Exertion"

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 4, Aug 66, pp 152-155

Abstract: Influence of a march of 100 km on 12 healthy subjects was investigated; the absolute number of neutrophil granulocytes increased, and of eosinophils decreased. Non-segmented neutrophils and Rieder's form of lymphocytes increased, blood level of EFA, cholesterol, and the beta fraction of blood proteins decreased. The level of ionorganic P and the activity of serum transaminases increased. 5 Figures, 57 references [not specified].

1/1

CZECHOSLOVAKIA

UDC: 612.766.1:612.014.4.9

KVETENSKY, Josef, LtCol, MD; KLUST, Vaclav, LtCol, MD; ZAORALEK, Alois, LtCol, MD; VLCEK, Lubos, MD; HLAUCO, Stanislav, Maj, MD; RUBES, Vaclav

"Effects of a 100-Kilometer Nonstop March on the Human Organism."

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 5, Oct 66, pp 194-197

Abstract [Czech, Russian and English summaries, modified]: A brief preliminary evaluation of some changes in the organisms of persons after a 100-km nonstop march. Although in most cases the changes were insignificant, such a march is fatiguing; only physically fit persons should be allowed to participate; check-ups and medical supervision during the march should be mandatory. A tabulated statistical evaluation is presented of the before-and-after dynamometric measurements, vital capacity, blood pressure and pulse rate. Seven Soviet-bloc refs.

1/1

HLAVA, Hanus; MARSALEK, Eduard

Studies on staphylococcal pathogenicity. Cesk. epidem. mikrob. imun. 8 no.3:189-196 May 59.

1. Mikrobiologicky ustav lekarske fakulty PU v Olomouci.
(MICROCOCCUS PYOGENES,
virulence, determ. (Cz))

PRUCEK, J.; HLAVA, H.

Pyogenic Corynebacterium as a pathogen in osteomyelitis following a fracture. Acta chir. orthop. trauma. Cech. 28 no.6:546-548 D '61.

1. Klinika pro ortopedickou chirurgii PU v Olomouci, prednosta prof. dr. Arnold Pavlik Ustav lek. mikrobiologie PU v Olomouci, prednosta doc. dr. Eduard Marsalek.
(OSTEOMYELITIS microbiol) (CORYNEBACTERIUM infect)
(FRACTURES compl)

PODIVINSKA,I. HLAVA, H.

Determination of the effect of the combination of penicillin with chloramphenicol in vitro with reference to treatment of gynecologic inflammations. Cesk. gynek. 29 no.3:220-225 Ap'64.

1. Ustav lekarske mikrobiologie lek.fak. KU v Olomouci;prednosta: doc.dr.E.Marsalek.

*

HLAVA, K., inz.

Use of component lenses in the Microma photomultiplier. Jemna mech opt 5 no.7:227-228 Jl '60.

HLAVA, K., inz. (Praha)

Resolving power of photographic cameras. Jemna mech opt 5 no.10: 319-324 O '60.

KLIMA, Vaclav, inz., HLAVA, Karel, inz., C. Sc.

The meeting of 8th Commission of the Organization for Railway Administrations Cooperation. Zel dop tech 10 no. 1:28-29. '62

HIAVA, Karel, inz., C.Sc.

Overvoltage of semiconducting rectifiers on locomotives. Zel dop tech 10 no.8:230-234 '62.

HLAVA, F.

Results of work in a technical-creative center in the Podebrady Glassworks and the creative development of cut lead crystal. p. 273. (SKLAR A KERAMIK, Vol. 7, No. 9, Sept 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

HLAVAC, F.; HRABEK, V.

For further development of governmental control of measures and weights in Czechoslovakia. p. 17.

NORMALIZACE. (Urad pro normalizaci) Praha, Czechoslovakia.
Vol. 7, no. 2, Aug. 1959

Monthly list of East European Accessions (EEAI) LC, vol. 9, no. 1, Jan. 1960

Uncl.

HLAVAC, Frantisek

Measures for increasing the efficiency of the research activity of the Building Research Institute in Prague. Stav vyzkum no.4: 1-3 S '62.

1. Reditel, Vyzkumny ustav stavebni vyroby, Praha.

HLAVAC, Frantisek

Signalling the occupancy of a single-rail track. Rudy 10 no. 4:141-142. Ap '62

1. Vyvojove stredisko, Ustredni sprava vyzkumu a tezby radioaktivnich surovin, Fribram.

HLAVAC, Frantisek

"Determining the production capacities in building" by V. Silhan. Reviewed by Frantisek Hlavac. Pod org 17 no.7:33[illegible]-336 Jl '63.

L 19862-65 EWT(d)/EWT(m)/FA/FA(b)/T-2/EWP(h) AEDC(a)/AFETR/AFGC(a)
MLK
AM4045111 BOOK EXPLOITATION Z/

Hlavac, Ivo (Engineer); Vyletal, Milan, (Engineer) 19+/

Transport airplanes (Dopravni letadla) 2d enl. and rev. ed. Prague, Nakl. DaS, 1963. 202 p. illus., index. 5000 copies printed.

TOPIC TAGS: transport aircraft, civil air fleet, passenger aircraft

PURPOSE AND COVERAGE: The book is a reference book on transport aircraft. The book surveys the dimensions, weight, powerplants, full distribution systems, air conditioning, electric and hydraulic equipment, airspeed, passenger capacity, and other design details of 75 transport airplanes produced in different countries.

TABLE OF CONTENTS:

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CZECH/5464

PHASE I BOOK EXPLOITATION

Hlaváč, Ivo, Engineer, and Milan Vyletal, Engineer

Dopravní letadla (Transportation Aircraft) [Prague] Dopravní nakl., 1960.
183 p. 2,000 copies printed.

Tech. Ed.: Jiří Barta; Resp. Ed.: František Civín.

PURPOSE: This reference book is intended for personnel in the Czechoslovak air transport services.

COVERAGE: The book contains basic information on international transport-aircraft fleets using Czechoslovak airports. About 70 transport aircraft, including Soviet designs, are surveyed. Articles on individual aircraft give such information as purpose, structure, equipment, performance, specifications, and include one or more photographs and drawings. Basic technical data of 63 aircraft are tabulated in a separate section for comparative reference. No personalities are mentioned. There are 16 references: 8 English, 2 Soviet, 1 German, and 5 unidentified.

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CZECH/5464

Transportation Aircraft

TABLE OF CONTENTS: [not given; the book is divided as follows:]

AVAILABLE: Library of Congress (TL685.4.H55)

AC/dfk/mas
9-19-61

Card 2/2

KOPECKY, K., inz.; HLAVAC, J.

Mine supports subject to an excessive pressure. Uhli 3 no.12:397-400 D '61.

1. Narodni podnik Vystavba, Ostravsko-Karvinske doly, Ostrava.

(Coal mines and mining)

HLAVAC, J.

Technological processes and the work graphs of marshaling yards. p. 314.

ZELEZNICNI DOPRAVA A TECHNIKA. (Ministerstvo dopravy)
Praha, Estonia. Vol. 7, no. 10, 1959.

Monthly list of East European Accessions. (EEAI), Vol. 9, no. 1, Jan. 1960.

Uncl.

HLAVAC, Jan

SUBJAR, Given Names

Country: [illegible]

Academic Degrees: [illegible]

Affiliation: Plant-breed[illegible] [illegible] [illegible], Volume [illegible] [illegible]

Source: Pravda, [illegible], [illegible], No 11, Nov 61, pp [illegible]-[illegible].

Data: "A New [illegible] Variety [illegible] [illegible]bina."

CZECHOSLOVAKIA UDC 616.28-008-1:616.21-007-009.8-036.21

KREMENOVA, J.; BLAHA, K.; HLAVAC, J.; REISENAUER, R.; Research Institute of Endocrinology (Vyzkumny Ustav Endokrinologicky), Prague, Chief (Prednosta) Docent Dr K. SILINK; Otolaryngological Department, Plolyclinic of the Faculty Hospital (Otolaryngologicke Oddeleni Polikliniki Fakultni Nemocnice), Prague, Head (Vedouci), Docent Dr K. ZEMAN

"Contribution to the Investigation of Endemic Degeneration. IV."

Prague, Casopis Lekaru Ceskych, Vol 106, No 7, 17 Feb 67, pp 187 - 193

Abstract /Authors' English summary modified/: Investigation of the incidence of impaired hearing and morphological anomalies of the ENT system in endemic degeneration showed the following: In the group of the Policka area more disorders of the ENT system were found than in the Sedlcany area. Outstanding was the incidence of deafmutism accompanying cretinism, and the incidence of cleft palate and lip. Morphological anomalies of the face were more frequent in the Sedlcany area. Gothic palates in impaired development of facial bones were frequent. In manifest cretinism perceptive hearing disorders were frequent in both groups. 4 Figures, 11 Tables, 12 Western, 7 Czech references. (Ms. rec.

1/1

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

HLAVAC, J.

C

5

Influence of small quantities of Al_2O_3 on some properties of glass produced by the Fourcault process. JAS HLAVAC. *Sklar a Keramik*, 30 [8-9] 125-28 (1950). The influence of small quantities of Al_2O_3 (up to 3%) on the liquidus temperature, viscosity, chemical resistance, and batch melting rate of Fourcault glasses was investigated. A quantity of 1.6% was found most favorable for the drawing process, especially as to liquidus temperature, very favorable for viscosity and chemical resistance, but less favorable for batch melting and homogenization.

S J K

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

HLAVAC, J.

"Technical Factory Libraries in the Machine Industry." p. 225, Praha, Vol. 2, no. 5, May 1954.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

HLAVAC, J.

Bottle glass with high aluminum content and its ability to crystalize, p. 276, SKLAR A KERAMIK (Ministerstvo lehkeho prumyslu) Praha, Vol.4, No. 10, Oct. 1954

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, No. 12, December 1956

HLAVAC, J.

For a higher level of technical literature.

p. 340
Vol. 3, no. 8, 1955
ZA SOCIALISTICKOU VEDU A TECHNIKU
Praha, Czechoslovakia

Source: Monthly List of East European Accesions, (EEAL), LC, Vol. 5, no. 2
February 1956, Uncl.

Czechoslovakia/Chemical Technology. Chemical Products and Their Application -- Silicates. Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5222

Author: Hlavac, Jan

Institution: None

Title: Ceramic Pastes for Atomic Reactors

Original Publication: Sklar a keramik, 1956, 6, No 4, 87-90

Abstract: There is shown the diagram of a heterogeneous atomic reactor, and the principle of its operation is described. Requirements which must be met by materials used in building of atomic reactors have been worked out and substantiated. Ceramic materials, in the form of oxides and carbides, can be used to build decelerators of fast neutrons (moderators), reflectors, as coatings of metal parts, and as other building materials, and also for radiation protection (mostly against gamma radiation). In moderators can be utilized graphite, BeO and Be_2C; a disadvantage of the latter is its poor stability to the action of

Card 1/2

Czechoslovakia/Chemical Technology. Chemical Products and Their Application -- Silicates. Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5222

Abstract: steam, even at a low temperature. Graphite and BeO are used most frequently for reflectors. For the protection of metal parts of reactors against oxidation and corrosion, there have been proposed refractory coatings based on boron-free fritt with additions of BaO, P_2O_5, BeO, CaO, ZnO, TiO_2, Cr_2O_3 and CeO_2. A good building material is sintered corundum. For the protection of the servicing personnel of atomic stations, from neutrons and gamma-radiation, use is made of B_4C and glasses having a high content of oxides of heavy elements (PbO, WO_3) or CdO and B_2O_3. Data concerning physical and atomic characteristics of ceramic materials are given.

Card 2/2

HLAVAC, J.

HLAVAC, J. Comparison of malleable properties of container glass with data on viscosity. p. 205

Vol. 6, no. 8, Aug. 1956
SKLAR A KERAMIK
TECHNOLOGY
Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

HLAVAC, J.

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61. Electrical resistance of corundum products.—R. BLATA, M. BARTUŠKA, J. HLAVAC and S. PROCHÁZKA (*Silikáty*, I, No. 1, 77, 1957). In Czech. The effect of the purity and fineness of the Al_2O_3 and the type of additives on the specific resistance of sintered alumina body was examined. The specific resistance was determined between 400° and 700° using D.C. of low voltage. Alkaline impurities considerably reduce electrical resistance; SiO_2, CaO, and Fe_2O_3 in small proportions have no effect. As additives, Fe_2O_3, TiO_2, and Cr_2O_3 have virtually no effect; V_2O_5 is harmful; MnO and Ca compounds are beneficial. Fine-grain materials have a higher resistance than coarse materials. (5 figs., 5 tables.)

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HLAVAC, J.

Electric furnaces for thermal analysis. p. 192.
(SILIKATY, Vol. 1, No. 3, 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

HLAVAC, J.

Temperature measurement by means of thermocouples. p. 199.
(SILIKATY, Vol. 1, No. 3, 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

Distr: 4E2c

Influence of alkali content on the properties of artificial white corundum for grinding purposes. Jaroslav Kredba, Miloslav Bartuška, Jan Hlavsky and Svatopluk Procházka. *Silikaty* 2, 102-8(1958).—Alkali and CaO are concd. in the block upper parts of the molten corundum substance which gives rise to scaly crystals of β-corundum. An abrasive material contg. a substantial percentage of β-corundum has greater tendency to be splintered and blunded.

Oscar Quiles

HLAVAC, J.

Distr: 4E3d/4E2c

Apparatus for measurement of high-temperature thermal conductance of sintered ceramic materials. Svante Procházka and J. Hlaváč. *Silikáty* 2, 200-6(1958).—The thermal conductance of sintered ceramic materials at 200-500° is detd. on disks of 2-4 cm. diam. and 0.6 cm. thickness. The temp. gradient is measured by Ag and Pt thermoelements plated on the specimen surface. The accuracy is ±10%. H. Morawetz

HLAVAC, Ján

Kinetics of the reaction between Al_2O_3 and MgO in the solid state. Sbor chem. tech no.3, part 1:405-415 '59.

1. Katedra technologie silikatu, Vysoka skola chemicko-technologicka, Praha.

HLAVAC, Jan

On the calcination of Al_2O_3 for the production of sintered corundum. Sbor chem tech no.3, part 1:417-424 '59.

1. Katedra technologie silikatu, Vysoka skola chemicko-technologicka, Praha.

COUNTRY : [illegible]
CATEGORY : Chemical Technology. Chemical Products and Their Uses. Part 11. Ceramics. Glass. Binding*
JRC. JOUR. : RZKhim., No. 1 1960, No. 1072

AUTHOR : Hlavac, J.
INST. : -
TITLE : Foundations of Firing Theory

ORIG. PUB. : Silikaty, 1959, 3, No 2, 177-192

ABSTRACT : A review article with exposition of the principal theories of firing (F) of ceramic materials in a solid phase at high temperatures is presented. The study of the various theories of F proposed leads the author to the conclusion that for vitreous materials the Frenkel and Mackenzie-Shuttleworth equations best

*Materials. Concrete. Ceramics

CARD: 1/4

H-28

COUNTRY :
CATEGORY :

ABS. JOUR. : RZKhim., No. 1 1960, No. 1072

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : [illegible] the phenomena of F in the solid state [illegible] ceramic-S [illegible] of these operations [illegible] of the [illegible] conditions, presenting [illegible] of experimental data. From the [illegible] present knowledge of F processes [illegible] principal conclusions may be drawn: 1) the

CARD: 2/4

ABS. JOUR. : RZhKhim., No. 1 1960, No. [illegible]

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : [illegible] of F is higher the [illegible]
CONT'D the [illegible] material has [illegible]
[illegible] small sharp-edged particles [illegible]
[illegible] of powder [illegible]; 2) for better
F of crystalline materials, it is necessary to
prevent their recrystallization from small to
large grains, for example by the addition of a
[illegible] quantity of inhibitors; 3) F is facili-
tated by means of a disturbance of the crystal-

CARD: 3/4

[illegible]-29

CATEGORY :

ABS. JOUR. : RZhKhim., No. 1 1960, No. [illegible]

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : line lattice, which may be achieved by intro-
CONT'D ducing a certain number of extraneous atoms
(impurities) into the raw material. [illegible]
[illegible] of [illegible]; 4) [illegible]
[illegible] should promote the process of F.
[illegible] titles.-- B. Globov

CARD: 4/4

HLAVAC, J.

"Sintering in the presence of the melting." p. 279.

SILIKATY. (CESKOSLOVENSKA VEDECKA TECHNICKA SPOLECNOST PRO PRUMYSL SILIKATU PRI CESKOSLOVENSKE AKADEMII VED.) Praha, Czechoslovakia, Vol. 3, no. 3, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.
Uncl.

BARTA, Rudolf, prof., inz., doktor technickych ved; BARTUSKA, Miloslav; HLAVAC, Jan; PROCHAZKA, Svante

High-corundum materials for electric insulation and electronics. Sbor chem tech no.3, part 1:425-431 '59.

1. Katedra technologie silikatu, Vysoka skola chemicko-technologicka, Praha.

Z/012/61/000/001/003/003
E112/E435

AUTHORS: Bartuška, Miloslav and Hlaváč, Jan

TITLE: Microscopic Study of the Sintering of Al_2O_3

PERIODICAL: Silikáty, 1961, No.1, pp.59-61

TEXT: The paper describes the preparation and properties of 2 - 20 micron spheres of Al_2O_3, used as model substances for the study of sintering phenomena. A white, fused corundum with 99.5% Al_2O_3 was heated in a standard Verneuil furnace by means of a hydrogen-oxygen flame and the corundum particles which fused into spheres were collected in a container filled with water. The spherical corundum particles retained their shape on cooling. X-ray analysis revealed that as a result of comparatively rapid cooling, Al_2O_3 had been transformed into its low-temperature isotropic modification, very similar to the ϑ-modification, which on heating to a suitable temperature, changes to the α-form. Photomicrograms are shown, indicating a small proportion of the α-modification in the prepared specimen (400x magnification, sporadic light particles). The specimen had a specific weight = 3.74, which is slightly less than α-Al_2O_3 and more than γ-Al_2O_3.

Card 1/2

Z/012/61/000/001/003/003
E112/E435

Microscopic Study of ...

Sintering of the model substance was followed microscopically. Slight changes were noticed on reaching 1350°C; the originally smooth surface of the spheres showed a slight roughening. The character of the spheres remained unchanged on heating to 1500°C, the powder particles did not weld together. Interface growth was noticed on reaching 1750°C. Increase of temperature was followed by rapid interface increase; the pores filled in and ultimately they disappeared completely. The process was accompanied by a pronounced deformation of the original spheroids. Deformation was not concomitant with recrystallization. The individual components of the compact were still identifiable by microscope even after complete welding. There are 15 figures (9 photomicrograms of sintered Al_2O_3spheres; Debyegram of low-temperature modification of Al_2O_3; Debyegram of Al_2O_3 after conversion to α-modification; Differential thermal analysis graph of low-temperature modification of Al_2O_3), and 8 references: 1 Soviet and 7 non-Soviet.

ASSOCIATION: VŠCHT, Praha (VŠCHT, Prague)

SUBMITTED: June 10, 1960

Card 2/2

HLAVAC, Jiri, MUDr.

Rupture of hypopharynx caused by indirect injury. Cesk. otolar. 6 no.3:140-141 June 57.

1. KUNZ v Usti nad Labem, prednosta prim. MUDr Karel Zeman.
(PHARYNX, rupt.
traum. of hypopharynx (Cz))

HLAVAC, J.

MELLAN, J.; HLAVAC, J.

Pathogenic deafness. Cesk. psychiat. 53 no.2:117-121 Mar 57.

1. Psychiatricke a usni oddeleni KUNZ v Usti nad Labem.
(HEARING DISORDERS
psychogenic deafness (Cz))

BLAHA, K.; HOUSTKOVA, E.; HLAVAC, J.

On the effect of fluorine compounds on the upper respiratory tract. Cesk.otolar.10 no.1:38-42 F '61.

1. Katedra ORL, vedouci akademik A. Precechtel.
(FLUORIDES toxicol)
(RESPIRATORY SYSTEM dis)

BLAHA, K.; HOUSTKOVA, E.; HLAVAC, J.

Qualitative changes in the bacteria flora of the upper respiratory tract in workers exposed to industrial poisons. Acta univ. carol. [med.] Suppl. 14:229-236 '61.

1. Katedra otorinolaryngologie fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta akademik A. Precechtel Otorinolaryngologicke oddeleni fakultni polikliniky, prednosta doc. dr. K. Blaha.
(RESPIRATORY SYSTEM microbiol) (AIR POLLUTION)
(POISONS) (OCCUPATIONAL DISEASES)

BLAHA, K.; HOUSTKOVA, E.; HLAVAC, J.

Clinical pathology of the upper respiratory tract and larynx in welders. Cesk. otolaryng. 12 no.3:161-167 Je '63.

1. Katedra ORL fak. vseob. lek. KU v Praze, vedouci prof. dr. K. Sedlacek.
(LARYNGITIS) (RHINITIS)
(OCCUPATIONAL DISEASES) (WELDING)

L 10477-66

ACC NR: AP6003735 SOURCE CODE: CZ/0017/65/054/002/0066/0073

AUTHOR: Hlavac, Josef--Glavach, Y. (Engineer)

ORG: V. I. Lenin Plants, n. p., Plzen (Zavody V. I. Lenina, n. p.)

36

B

TITLE: Cooling system of the Czechoslovak 235-mva turboalternator

SOURCE: Elektrotechnicky obzor, v. 54, no. 2, 1965, 66-73

TOPIC TAGS: electric rotating equipment, electric engineering

24

ABSTRACT: The article states the principles of designing a cooling system for a turboalternator and examines the individual elements in detail. The methods and brief results of research work done on each newly developed element are given. Special attention is given to verification of the water cooling of the stator winding, the hydrogen cooling of the rotor winding, the axial cooling of the active stator iron and to the design of the compressor. Orig. art. has: 18 figures, 4 formulas, and 1 table. [JPRS]

SUB CODE: 09 / SUBM DATE: 12Nov64 / ORIG REF: 001 / OTH REF: 004

HW

Card 1/2

UDC: 621.313.322.017.72

FIC, Vlastimil; HLAVAC, Josef

Activities of the Grape Culture and Research Station in Mutenice.
Vestnik CSAZV 8 no. 1:57-59 '61. (EEAI 10:5)

1. Vyskumny ustav pre vinohradnictvo a vinarstvo Pobocky Ceskoslovenskej akademie polohospodarskych vied.
(Czechoslovakia--Agriculture)

HLAVAC, Josef, inz.

Some notes on cooling. El tech obzor 52 no.3:147 Mr '63.

1. Zavody V.I. Lenina, n.p., Plzen.

HLAVAC, Josef, inz.

Transverse cooling of synchronous machine pole coils. El tech obzor 53 no.7:353-360 Jl'64

1. Zavody V.I. Lenina National Enterprise, Plzen.

L 64684-65 EWP(e)/EWP(i)/EWP(b) WH

ACCESSION NR: AP5018889 CZ/0012/65/000/003/0237/0242

23

AUTHOR: Hlavac, J. (Glavach, Ya.); Vaskova, L. (Vashkova, L.)

21

TITLE: Crystallization of reduced silica glass in an oxidizing atmosphere

B

SOURCE: Silikaty, no. 3, 1965, 237-242

TOPIC TAGS: silica, glass, crystallization, chemical reduction, oxidation, chemical kinetics

ABSTRACT: A long-term measurement of the crystallization of reduced silica glass in the air was carried out. The dependence of the thickness of the crystalline layer on time is at first roughly parabolic. After a longer period of time the rate of the growth of the layer is stabilized at a constant value. This is caused by the fact that simultaneously with the crystallization, oxidation of the silica glass takes place, which is governed by the diffusion of oxygen through the oxidized layer. On the basis of this idea it is possible to divide the "thickness of crystalline layer-time" dependence into three sections: linear, parabolic, and again linear. In the last phase the crystalline layer gets into the inner layers of the glass which have not yet been oxidized and therefore it grows in this area

Card 1/2

L 64684-65

ACCESSION NR: AP5018889

at a constant rate corresponding to reduced glass. The calculation of kinetic constants from the first two sections of the crystallization curve is inaccurate. The final linear section may be used. The activation energy of the crystallization process thus calculated was, in the glass samples examined, 55 and 57 kcal/mol, which are values lower than those given in the literature for stoichiometric silica glass. Orig. art. has: 5 figures.

ASSOCIATION: Katedra technologie silikatu, VSCHT, Prague (Department of Silicate Technology, Institute of Chemical Technology)

SUBMITTED: 15Jan65 ENCL: 00 SUB CODE: MT, GC

NO REF SOV: 002 OTHER: 003

Card 2/2

HLAVAC, Lumir

Dolni Posazavi. (Lower Sazava Valley; a regional tourist guide. 1st ed. illus.) Prague, St. telovychovne nakl., 1956. 94 p.

Bibliograficky katalog, CSR, Ceske knihy, No. 34, 1 Oct 57. p. 738.

HLAVAC, LUMIR

Ceskobrodsko a Kolinsko. Praha, Sportovni a turisticke naki,, 1957. 113 p. (Rada oblastnich turistickych pruvodcu, sv. C. 19) (The Cesky Brod and Kolin regions; a tourist guide. illus., map)

DS Not in DLC

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

HLAVAC, LUMIR

"Voticko. Praha, Soirtivnu a turisticke maki., 1957. 144 p. (Rada oblastnich turistickych pruvodcu, sv. 11) (The Votice re ion; a tourist guide. illus., maps)"
DS Not in DLC

P. 144 (Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 7, July 1958

HLAVAC, J.

"Portable tester of electric equipment."

ELEKTROTECHNIK, Praha, Czechoslovakia, Vol. 14, no. 6, June 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

USACEV, S.; HLAVAC, T.

Artificial radioactivity of the atmosphere in the period July - December, 1958. Acta r nat Univ Com 6 no.7:343-374 '61.

1. Katedra fyziky, Universita Komenskeho, Bratislava, Smeralova 2.

KHLAVAC, V.

1ST AND 2ND ORDERS — PROCESSES AND PROPERTIES INDEX — 3RD AND 4TH ORDERS

AMS/A+B

A1-25 551.501.6:551.526.3:551.577.3

Hlavač, Václav. **Nový způsob souměrného grafického znázornění časového průběhu odchylek teploty a srážek.** [A new method for simultaneous graphic presentation of variations in temperature and precipitation.] *Meteorologické Zprávy*, 4(3-4):65-69, 1950. graph. In Czech. DWB. An ingenious but rather elaborate "climagram" is devised, discussed and illustrated. Instead of use for average data, however, this method is to be used for actual data. *Subject Headings*: 1. Climagrams. 2. Graphical presentation. *M.R.*

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ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

HLAVAC, V.

Hlavac, V. Contribution to the malacological topography of the Czechoslovak Republic. I. p. 59. CASOPIS; ODDIL PRIRODOVEDNY. Praha. Vol. 123, no. 1, 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 11, No . 1955, Uncl.

HLAVAC, V.

A few critical notes on B. Hribova's article The Importance of Historical Meteorologic Reports for Contemporary Climatology published in Meteorologicke zpravy, v. 9, no. 5/6, 1956.

p. 109 (METEOROLOGICKE ZPRAVY) Vol. 10, no. 4, Aug. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3, March 1958

HLAVACEK, A.

Hlavacek, A. Geum aleppicum Jacq. in Banska Bystrica. p.62.

Vol. 10, no. 1, 1955 BIOLOGIA Bratislava, Czechoslovakia

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 2 February, 1956

HLAVACEK, A.

Hlavacek, A. Galium apaurense Borb. p.209.

Vol. 10, no.2, 1955 BIOLOGIA Bratislava, Czechoslovakia

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 2
February, 1956

HLAVACEK, A.

Cerastium arvense L. ssp. matrense (Kit.) Jav. in the Little Carpathians.

p. 690 (BIOLOGIA) Vol. 11, no. 11, 1956,
Bratislava, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

KAVKA, J.

The sundew Drosera rotundifolia L. at Banska Bystrica and vicinity, and its occurrence in Slovakia. p. 705.
(BIOLOGIA, Vol. 11, no. 12, 1956, Bratislava, Czechoslovakia.)

SO: Monthly List of East Europeans Accessions (EEAL) LC, Vol. 6, no. 12, December 1957. Incl

HLAVACEK, A.

Occurrence of the violet, Viola palustris L. in Slovakia.

P. 414, (Biologia) Vol. 12, no. 6, 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

HLAVACEK, A.

"S. Kupcok's Prispevok k poznaniu Flory okolia Stiavnice a Pulanca (Flora of the Hanska Stiavnica and Pulanec Areas); a book review."

p. 239 (Biologia, Vol. 13, no. 3, 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9, September 1958

HLAVACEK, A (Dr)

SURNAME (in caps); Given Names

Country: Czechoslovakia

(3)

Academic Degrees:

Affiliation: Balneological Research Institute (Vyzkumny ustav balneologicky) Marianske Lazne

Source: Prague, Fysiatricky Vestnik, Vol XXXIX, No 3, June 1961, pp 177-182

Data: "Hungarian Rheumatological Conference in Budapest, 1-3 December 1960."

Authors:

KRIZEK, V, Dr
HLAVACEK, A, Dr

131

CEPEK, Zd.; HLAVACEK, Boh.

Fate of a nailed subtrochasteric fracture in Albers-Schonberg's disease. Acta chir. orthop. traum. cech. 26 no.2:145-148 Mar 59.

1. Chirurg. odd. predn. dr. Zd. Cepek; Rentgenolog. odd. predn. dr. Boh. Hlavacek OUNZ Jindr. Hradec.

(OSTEOPETROSIS, compl.
subtrochanteric fract. of femur surg., intramedullary nail fraction (Cz))
(FEMUR, fract.
subtrochanteric fract. in osteopetrosis, surg. intramedullary nail fixation (Cz))

CEPEK, Zdenek; HLAVACEK, Bohdan.

Phytobezoar and gastric ulcer. Rozhl. chir. 38 no.8:530-535 Aug 59.

1. Chirurg. oddeleni OUNZ Jindr. Hradec. prednosta dr. Zdenek Cepek Rentgenolog. oddeleni OUNZ Jindr. Hradec. prednosta dr. Bohdan Hlavacek.

(BEZOARS, compl.) (PEPTIC ULCER, compl.)

CEPEK, Zd.; HLAVACEK, Bohdan

Reflex disorders of the esophagus, stomach and larynx caused by a pharyngoesophageal diverticulum. Rozhl. chir. 39 no.3:164-167 Mr '60

1. Chirurg. oddeleni, predn. MUDr. Zdenek Cepek, rontgenolog. oddeleni, predn. MUDr. Bohdan Hlavacek, OUNZ v Jindrichove Hradci.
(GASTROENTEROLOGY dis.)
(PHARYNX dis.)
(ESOPHAGUS dis.)
(DIVERTICULOSIS compl.)

HLAVACEK, F

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their Application. Fermentation Industry. I-12

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2846

Author : Hlavacek, F.
Inst :
Title : Stability of Beer During the Autumn Period

Orig Pub : Kvasny prumysl, 1955, 1, No 9, 197-198

Abstract : A deterioration of the conditions of beer manufacture, which is observed during the autumn period (warm water containing an increased amount of pathogenic microorganisms, malt of higher moisture content, hops of lower antiseptic properties, air containing a greater amount of microorganisms), brings about a lowering of the quality of beer and a decrease of its stability. The following is recommended: 1) prevention of increase in moisture content of the malt that is to be used in autumn, which is best effected by keeping it under most

Card 1/2

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their Application. Fermentation Industry. I-12

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2846

most favorable conditions available, with limited ventilation, 2) storage of hops in cooled warehouses. To destroy enzymes and attain more complete coagulation of proteins, intensive brewing of wort with hops should be carried out. 3) rapid dermentation of wort, 4) more strict checking of the quality of yeast.

Card 2/2

HLAVACEK, F.

Saccharification and its difficulties. p. 25. (Kvasny Prumysl, Vol. 3, No. 2, Feb 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957, Uncl.

HLAVACEK, F.

A. Lhotsky's Technicka kontrola sladarske a pivovarske vyroby (Technical Control in the Malt and Brewing Industries); a book review. p. 72. (Kvasny Prumysl, Vol. 3, No. 3, Mar 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

HLAVACEK, F.

The brewing industry in the USA. p. 175. (KVA NY PRUMYSL, Vol. 3, No. 8, Aug 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

FRANTISEK HLAVACEK

CZECHOSLOVAKIA / Chemical Technology, Chemical Products H
and Their Application, Part 3. - Fermentation Industry.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 62558.

Author : ~~Frantisek Hlavacek.~~
Inst : Not given.
Title : Brewing Shop Equipment of New Construction.

Orig Pub: Kvasny prumysl, 1957, 3, No 12, 270 - 272.

Abstract: New automatic constructions (C) of brewing shops and of separate improved apparatus for shops of the old type shown at the exhibition of brewery equipment at Munich are described. The following C-s are interesting: 1/ The block brewery (B) of the A. Ziemann company - two or multiple-vessel - constructed as a well insulated compact block, in which the brewing vessels are arranged separately, one above another. That

Card 1/3

CZECHOSLOVAKIA / Chemical Technology, Chemical Products H
and Their Application, Part 3. - Fermentation Industry.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 62558.

Abstract: B saves much space, heat and building materials, the yield of wort being the same as that of the best B-s of the usual C. It is controlled automatically from one place. 2/ The hydroautomatic B of the Lenz system, made by Steinecker Company, consisting of a crusher, a tetrahedral vessel with a slanted bottom and a round straining vat arranged on the same level. Malt is washed in that B before being crushed and again drenched with water for swelling. A continuous water flow is forseen in the crusher, that water circulates between the crusher and the mash vat. The B is equipped with automatic remote control instruments. 3/ B of a tower construction of the Weigel-Werk Company, with

Card 2/3

HLAVACEK, F.

Continuous processes in breweries, experiments and possibilities; a report on the lecture of Hans G. Schultz-Berndt. p. 227.

KVASNY PRUMSYL. Praha, Czechoslovakia. Vol. 5, no. 10, Oct. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, no. 2, Feb. 1960.
Uncl.

HLAVACEK, F.

"Course of beer brewing" by Jean De Clerck. Reviewed by F. Hlavacek. Kvasny prum 9 no.2:41-42 F '63.

HLAVACEK, F.

"Handbook of brewery practice" by Karl Lense. Reviewed by F. Hlavacek. Kvasny prum 10 no.11:261 N '64.

HLAVACEK, František

New trends in the malting and brewing technology. Pt.2.
Kvasny prum 11 no.2:30-37 F '65.

"German-Czech and Czech-German chemical technology dictionary"
edited by [inz.] J.Gottwald, Z.Jouklova. Reviewed by F.Hlavacek.
Ibid.:46

1. Chief Editor of "Kvasny prumysl." Submitted December 1, 1964.

Brewing, I

MD

Analytical determination of degree of modification of malt. V. Salač and I. Hlaváček (*Brauwelt*, 1935, **65**, B, 1069—1075, 1098—1100).—Single determinations based on extract differences as between 90 and 40% or 90 and 25% fine meal are not sufficiently accurate for use in practice. The utility of the Kolbach value is limited by several factors. Simplified determinations of Hartong values based on measurements of η at 85° (Höppler apparatus) afford the best and most expeditious means for evaluating the degree of modification and liquefying capacity of malts and for checking the progress of malting. A nomogram is given for converting the observed value for η to the basis of 10% extract.

P. S. ARVE.

(1)

HLAVACEK, I. ; KALENDA, V.

HLAVACEK, I. ; KALENDA, V. Balance of yield in a control batch. p. 169

Vol. 2, no. 8, Aug. 1956
KVASNY PRUMYSL
TECHNOLOGY
Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

HLAVACEK, I. KALENDA, V.

Evaluation of malt cracking based on the Hartong Number. p. 73.

(Kvasny Prumysl. Vol. 3, no. 4, Apr. 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.